

AMENDMENTS

Amendments to Claims

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A surveillance system having a plurality of video cameras disposed on an ethernet network and adapted for communicating with ~~via a common~~ the ethernet network, the system comprising:
 - a plurality of cameras;
 - a digitizer of each camera, the digitizer being integral in a common housing with the respective camera;
 - a network interface for each camera, the network interface being integral in a common housing with the respective camera, the network interface being connected to the ethernet network;
 - each camera communicating with the ethernet network through the network interface; ~~and~~
 - a plurality of compressors integral in a common housing with each camera in advance of the network interface at each camera, each of the compressors outputting a respective compressed signal, the compressed signals each having at least one characteristic different from other of the compressed signals, the at least one characteristic being selected from among:
 - image resolution, compression type and compressed bit rate; and
 - the network interface including an IP network stack, the IP network stack being configured to provide a plurality of IP data packets, the plurality of IP data packets conveying the compressed signals.
2. (canceled) The system of claim 1, further comprising a compressor associated with each camera in advance of the network interface.

3. (previously presented) The system of claim 1 and further comprising:
an archival server in communication with the Ethernet network for
archiving at least one of the compressed signals.
4. (currently amended) The system of claim 1 and further comprising:
[personal computer] a recipient in communication with the Ethernet
network for receiving at least one of the compressed signals.
5. (currently amended) The system of claim 1 and further comprising:
the compressed signals when transmitted to the ethernet network being
combined by being interleaved in one stream.
6. (previously presented) The system of claim 1 and further comprising:
wherein the compressed signals include motion video.
7. (previously presented) The system of claim 1 and further comprising:
the camera including memory and a processor associated with the memory;
the camera including timestamp application software stored in the memory and
executable upon operation of the processor, the timestamp application software
when executed attaching presentation timestamps (PTS's) in I-frame packets of
the compressed signals;
a receiver adapted to be connected to the ethernet network to receive the
compressed signals at a location remote from the camera, the receiver including:
memory;
a buffering software application stored in memory, the buffering software
application including executable steps prescribing:
extracting presentation timestamps (PTS's) from each of a series of
received I-frame packets;
adding to extracted presentation timestamps (PTS's) a time offset
sufficient to account for worst case network delay, the extracted

presentation timestamps (PTS's) and time offset when added providing a series of respective sums;
a video player software application stored in memory, the video player software application when executed playing received compressed signals in series in relation to the sums; and
a processor in communication with memory, the processor being operable to execute the executable steps.

8. (currently amended) ~~The system of claim 7 and further comprising:~~

A surveillance system having a plurality of video cameras disposed on an ethernet network and adapted for communicating with the ethernet network, the system comprising:

- a plurality of cameras;
- a digitizer of each camera, the digitizer being integral in a common housing with the respective camera;
- a network interface for each camera, the network interface being integral in a common housing with the respective camera, the network interface being connected to the ethernet network;
- each camera communicating with the ethernet network through the network interface;
- a plurality of compressors integral in a common housing with each camera in advance of the network interface at each camera, each of the compressors outputting a respective compressed signal, the compressed signals each having at least one characteristic different from other of the compressed signals, the at least one characteristic being selected from among:
 - image resolution, compression type and compressed bit rate;
 - the camera including memory and a processor associated with the memory;
 - the camera including timestamp application software stored in the memory and executable upon operation of the processor, the timestamp application software when executed attaching presentation timestamps (PTS's) in I-frame packets of the compressed signals;

a receiver adapted to be connected to the ethernet network to receive the compressed signals at a location remote from the camera, the receiver including:

- memory;
- a buffering software application stored in memory, the buffering software application including executable steps prescribing:
 - extracting presentation timestamps (PTS's) from each of a series of received I-frame packets;
 - adding to extracted presentation timestamps (PTS's) a time offset sufficient to account for worst case network delay, the extracted presentation timestamps (PTS's) and time offset when added providing a series of respective sums;
- a video player software application stored in memory, the video player software application when executed playing received compressed signals in series in relation to the sums;

a processor in communication with memory, the processor being operable to execute the executable steps; and

the receiver further including

- the video player software application including a video player time base, the video player time base providing a measure for pacing play of the received compressed signals;
- the buffering software application including executable steps prescribing:
 - the time offset being a predicted delay value (ΔT), the predicted delay value (ΔT) initially being an estimate of worst case network delay, the extracted presentation timestamps (PTS's) and predicted delay value (ΔT) when added providing the series of respective sums;
 - substituting the respective sums for each presentation timestamp (PTS) to delay playback of each frame by the predicted delay value (ΔT);
 - obtaining a local prediction of delay (local ΔT) from the video player time base;

changing the predicted delay value (ΔT) by a difference amount, the difference amount being calculated between the predicted delay value (ΔT) and the local prediction of delay (local ΔT) before adding the predicted delay value (ΔT) to a next extracted presentation timestamp (PTS's) extracted from the series of received I-frame packets.

9. (currently amended) A surveillance camera adapted for connection to an internet protocol network, the surveillance camera comprising:

a housing;

a digital encoder supported by the housing, the digital encoder being adapted to digitize captured motion video, the digital encoder outputting digitized motion video;

a plurality of compressors supported by the housing, the plurality of compressors being in communication with the digital encoder to receive the digitized motion video, each of the compressors being adapted to output a respective compressed motion video signal; ~~and~~

a network interface supported by the housing, the network interface being in communication with the plurality of compressors, the network interface being adapted to receive the plurality of compressed motion video signals, the network interface being adapted to be connected to the internet protocol network for transmitting to the internet protocol network the plurality of compressed motion video signals; and

each of the compressed motion video signals having at least one signal characteristic different from other of the compressed motion video signals, the at least one signal characteristic being selected from among:

image resolution, compression type and compressed bit rate.

10. (currently amended) ~~A~~ The surveillance camera according to claim 9 and further comprising:

a multiplexer supported by the housing, the multiplexer being in communication with the plurality of compressors to receive the compressed motion video signals, the multiplexer being adapted to combine the plurality of compressed motion video signals in one stream of bytes;

the network interface being in communication with the multiplexer, the network interface being adapted to receive the plurality of compressed motion video signals in one stream of bytes, the network interface being adapted to be connected to the internet protocol network for transmitting to the internet protocol network the plurality of compressed motion video signals in one stream of internet protocol packets, the one stream of internet protocol packets including the bytes.

11. (currently amended) ~~A~~ The surveillance camera according to claim 9 and further comprising:

a second network interface supported by the housing, the second network interface being adapted to be connected to an internet protocol network for communication between the surveillance camera and the internet protocol network.